

Name_____ Chemistry I: solubility graphs

Period_____ Date_____

Use the solubility graphs in the reference pack to answer the following questions.

1. How many grams of CsCl will dissolve in 100 g H₂O at 10°C? ans_____
2. How many grams of NaNO₃ will dissolve in 100 g H₂O at 90°C? ans_____
3. How many grams of NaCl will dissolve in 100 g H₂O at 0°C? ans_____
4. How many grams of SO₂ will dissolve in 100 g H₂O at 25°C? ans_____
5. How many grams of NH₃ will dissolve in 100 g H₂O at 90°C? ans_____
6. How many grams of KCl will dissolve in 100 g H₂O at 10°C? ans_____
7. How many grams of KNO₃ will dissolve in 100 g H₂O at 0°C? ans_____
8. How many grams of KClO₃ will dissolve in 100 g H₂O at 90°C? ans_____
9. How many grams of KI will dissolve in 100 g H₂O at 20°C? ans_____
10. How many grams of NaNO₃ will dissolve in 100 g H₂O at 0°C? ans_____
11. At what temperature will 60 g of NH₄Cl dissolve in 100 g H₂O? ans_____
12. At what temperature will 100 g of LiCl dissolve in 100 g H₂O? ans_____
13. At what temperature will 39 g of NaCl dissolve in 100 g H₂O? ans_____
14. At what temperature will 80 g of RbCl dissolve in 100 g H₂O? ans_____
15. At what temperature will 140 g of NaC₂H₃O₂ dissolve in 100 g H₂O? ans_____
16. At what temperature will 150 g of NaC₂H₃O₂ dissolve in 100 g H₂O? ans_____
17. How many grams of KCl can be added to 100 g of H₂O if the temperature is increased from 50 °C to 80 °C ? ans_____
18. How many grams of CsCl can be added to 100 g of H₂O if the temperature is increased from 0 °C to 20 °C ? ans_____
19. How many grams of RbCl can be added to 100 g of H₂O if the temperature is increased from 20 °C to 100 °C ? ans_____
20. How many grams of NaCl can be added to 100 g of H₂O if the temperature is increased from 0 °C to 100 °C ? ans_____
21. How many grams of NaNO₃ can be added to 100 g of H₂O if the temperature is increased from 25 °C to 95 °C ? ans_____

